

BDH1, 47-343aa, Human, His Tag, E.coli

Cat.NO.: TP01317

3th Edition

Synonyms:D-beta-hydroxybutyrate dehydrogenase, BDH, MGC2723, MGC4347, MGC9788, SDR9C1.

Description:BDH1 is a member of the short-chain dehydrogenase/reductase gene family. This protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.2M NaCl,2mM DTT, 0.1mM PMSF

Molecular Weight:35.3 kDa (318aa), confirmed by MALDI-TOF

Sequences:

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MGSSHHHHHHSSGLVPRGSHMASAAEPVGSKAVLVTCDSGFGFSLAKHLHSGFLVFAGCLMKDKGHDGVKEL
DSLNSDRLRTVQLNVCSSSEEVEKVVIVRSSLKDPEKGMWGLVNNAGISTFGEVEFTSLETYKQVAEVLNLTGTVR
MTKSFLPLIRRAKGRVNVNISMMLGRMANPARSPYCITKFGVEAFSDCLRYEMYPLGVKVSVEPGNFIAATSLYSPE
SIQAIKKMWEELPEVVRKDYGKKYFDEKIAKMETYCSSGSTDTSPVIDAVTHALTATTPYTRYHPMDYYWWLRMQ
IMTHLPGAISDMIYIR
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Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.